

### **AMENDMENTS TO THE CLAIMS**

This listing of claims will replace all prior versions and listings of claims in the application. Claims 2-4, 6, and 7-13 have been amended.

#### **Listing of Claims:**

1. (Previously canceled)
2. (Currently amended) A method for creating an electronic medication

order, comprising:

receiving a request to create an electronic medication order for a patient;

displaying a list of available medications;

interactively receiving an input from a user selecting a medication from the list of available medications;

determining whether the selected medication is to be expertly dosed;

if the selected medication is to be expertly dosed,

(1) expertly dosing the selected medication using a knowledge base, and

(2) creating an electronic medication order based on the selected medication; and

if the selected medication is not to be expertly dosed,

(1) displaying to the user ~~alternative elements~~ standard dosage recommendations for creating an electronic medication order for the currently selected medication, the ~~alternative elements~~ standard dosage recommendations including the one or more routes

associated with the selected medication, ~~the one or more~~ dose amounts in which the selected medication is available for a chosen route, ~~the one or more~~ dose forms in which the medication is available for a chosen route, and ~~the one or more~~ frequencies of administration associated with the selected medication and a chosen route,

(2) receiving from the user an input accepting an electronic medication order including the ~~user~~ selected medication, a selected frequency of administration, a selected route of administration, a selected dose amount, and a selected dose form[.], and

(3) creating an electronic medication order based on the selected medication, the selected frequency of administration, the selected route of administration, the selected dose amount, and the selected dose form.

3. (Currently amended) The method of claim 2, further comprising:  
interactively receiving an input from the user selecting when the selected medication should be administered, and whether a generic substitute is acceptable for the selected medication; and  
sending the electronic medication order electronically to a pharmacy.
4. (Currently amended) The method of claim 2, further comprising:  
determining which ~~ordering~~ alternatives standard dosage recommendations to display to a user by accessing an electronic database of

associations comprising an association of routes with medications, and routes with dose forms, and an association of routes and medications with frequencies of administration.

5. (Original) The method of claim 4, wherein the database of associations contains a record for each available combination.

6. (Currently amended) The method of claim 4, wherein the electronic medication order is represented by an electronic order record comprising:

- a name of the medication;
- a unique medication identifier;
- a medication dose size;
- a medication route of administration;
- a medication form; and
- a medication daily frequency.

7. (Currently amended) A system for creating an electronic ~~prescription~~ medication order for a patient, comprising:

- a first receiving component for receiving a request to create a new electronic medication order for the patient;
- a first displaying component for displaying a list of available medications;
- a second receiving component for interactively receiving an input from a user selecting a medication from the list of available medications;
- a knowledge base for expertly dosing medications;

a determining component for determining whether the selected medication is to be expertly dosed;

a ~~second~~ displaying component for displaying to the user ~~alternative elements~~ standard dosage recommendations for creating an electronic ~~order prescription~~ for the currently selected medication, the ~~alternative elements~~ standard dosage recommendations including ~~the~~ one or more routes associated with the medication, ~~the~~ one or more dose amounts in which the medication is available for a chosen route, ~~the~~ one or more dose forms in which the medication is available for a chosen route, and ~~the~~ one or more frequencies of administration associated with the medications and a chosen route;~~and~~

a ~~second~~ third receiving component for receiving from the user an input accepting an electronic medication order including the ~~user~~ selected medication, a selected frequency of administration, a selected route of administration, a selected dose amount, and a selected dose form[.]; ~~and~~

a storage component for storing the electronic medication order created for the patient including the selected medication, the selected frequency of administration, the selected route of administration, the selected dose amount, and the selected dose form.

8. (Currently amended) A method for creating an electronic medication order, comprising:

interactively receiving an input from a user selecting a medication;

determining a plurality of routes associated with the selected medication;

displaying to the user ~~[[a]]~~ the plurality of routes in which associated with  
the selected medication; ~~is available and~~

receiving an input from a user selecting a route from the plurality of routes  
associated with the selected medication; and

determining a plurality of dose forms available for the selected medication  
and selected route;

displaying to the user ~~[[a]]~~ the plurality of dose forms available for the  
selected medication and selected route; and

receiving an input from a user selecting a dose form~~[[.]]~~ from the plurality  
of dose forms; and

creating an electronic medication order based on the selected medication,  
the selected route, and the selected dose form.

9. (Currently amended) The method of claim 8, further comprising receiving  
an input from the user accepting the electronic medication order including the ~~user~~ selected  
medication, the selected route, and the selected dose form.

10. (Currently amended) A method for creating an electronic medication  
order, comprising:

interactively receiving an input from a user selecting a medication;

determining a plurality of routes associated with the selected medication;

displaying to the user ~~[[a]]~~ the plurality of routes in which associated with  
the selected medication; ~~is available and~~

receiving an input from a user selecting a route from the plurality of routes associated with the selected medication; ~~and~~

determining a plurality of dose amounts available for the selected medication and selected route;

displaying to the user ~~[[a]]~~ the plurality of dose amounts available for the selected medication and selected route; ~~and~~

receiving an input from a user selecting a dose amount~~[[.]]~~ from the plurality of dose amounts; ~~and~~

creating an electronic medication order based on the selected medication, the selected route, and the selected dose amount.

11. (Currently amended) The method of claim 10, further comprising receiving an input from the user accepting the electronic medication order including the ~~user~~ selected medication, the selected route, and the selected dose amount.

12. (Currently amended) A method for creating an electronic medication order, comprising:

interactively receiving an input from a user selecting a medication;

determining a plurality of routes associated with the selected medication;

displaying to the user ~~[[a]]~~ the plurality of routes ~~in which~~ associated with the selected medication; ~~is available and~~

receiving an input from a user selecting a route from the plurality of routes associated with the selected medication; ~~and~~

determining a plurality of frequencies available for the selected medication and selected route;

displaying to the user ~~[[a]]~~ the plurality of frequencies available for the selected medication and selected route; ~~and~~

receiving an input from a user selecting a frequency~~[[.]]~~ from the plurality of frequencies; and

creating an electronic medication order based on the selected medication, the selected route, and the selected frequency.

13. (Currently amended) The method of claim 12, further comprising receiving an input from the user accepting the electronic medication order including the ~~user~~ selected medication, the selected route, and the selected frequency.

Claims 14-21 (Previously canceled).